


PROJ. REFERENCE NO.	SHEET NO.
U-3308	TMP-3
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PHASING

NOTES:

BEFORE BEGINNING ANY CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL INSTALL ALL ADVANCE WARNING SIGNS (PER RSD 1101.01) AND TRAFFIC CONTROL DEVICES. FIELD VERIFY LOCATIONS WITH THE RESIDENT ENGINEER PRIOR TO INSTALLATION.

MAINTAIN ACCESS TO ALL RESIDENCES AND BUSINESSES DURING THE LIFE OF THE CONTRACT, UNLESS OTHERWISE NOTED IN THE PHASING OR AS DIRECTED BY THE ENGINEER.

COMPLETE ANY PROPOSED OR TEMPORARY WIDENING IN SUCH A MANNER THAT NO PONDING OF WATER WILL OCCUR WITHIN THE TRAVEL LANE.

WHEN USING LANE CLOSURES (RSD 1101.02), RETURN TRAFFIC TO EXISTING PATTERN(S) AT THE END OF THE ALLOWABLE WORK PERIOD.

PAVE PROPOSED CONSTRUCTION UP TO BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE, IN ALL PHASES, UNLESS OTHERWISE NOTED IN THE PHASING, UNTIL STATED TO INSTALL THE FINAL LAYER OF SURFACE COURSE IN THE PHASING.

COMPLETE STAMPED CONCRETE CROSSWALKS WITHIN THE RESPECTIVE WORK AREAS OF EACH PHASE AND STEP WHERE SHOWN IN THE PLANS. PLACE THE FINAL LAYER OF ASPHALT SURFACE COURSE WITHIN EACH INTERSECTION TO THE LIMITS OF THE CONSTRUCTED CONCRETE CROSSWALKS.

COVER ALL OPEN DRAINAGE STRUCTURES ADJACENT TO TRAFFIC WITH TEMPORARY STEEL PLATES, OR AS DIRECTED BY THE ENGINEER.

PHASE 1 (SHEETS TMP-5 - TMP-8)

STEP 1:

AWAY FROM TRAFFIC, USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEET 1 OF 15) AND BY STOPPING TRAFFIC AS PERMITTED (RSD 1101.03, SHEET 8 OF 9), BEGIN REMOVAL OF THE OVERHEAD COMPONENTS AND PIERS OF THE EXISTING CSX AND ABANDONED RAILROAD BRIDGES OVER -LALT- (NC 55). (SEE LOCAL NOTE LN-02)

USING LANE CLOSURES (RSD 1101.02, SHEET 4 OF 15), REMOVE EXISTING GUARDRAIL ALONG -YA- (NC 147) UNDER THE EXISTING -LALT- (NC 55) BRIDGE, AND INSTALL TEMPORARY GUARDRAIL (AS SHOWN ON SHEET TMP-5).

AWAY FROM TRAFFIC AND USING FLAGGERS, LANE CLOSURES, AND SHOULDER CLOSURES (RSD 1101.02, SHEETS 1, 2, 3, AND 7 OF 15, AND RSD 1101.04) AND LAW ENFORCEMENT AS NECESSARY, BEGIN INSTALLATION OF TEMPORARY SIGNALS 05-0228T1, 05-0284T1, 05-1026T1, 05-1027T1, 05-1028T1, 05-1029T1, AND 05-1030T1.

PERMANENTLY CLOSE -Y13- (WALL STREET; EAST SIDE OF -LALT-, SHEET TMP-7) AND -Y20- (EVA STREET; WEST SIDE OF -LALT-, SHEET TMP-8) AND COMPLETE ASSOCIATED WORK AT EACH LOCATION.

INSTALL PEDESTRIAN DETOUR SIGNING FOR CLOSURE OF THE SIDEWALK ON THE EXISTING NC 55 BRIDGE OVER NC 147. (SEE SHEET TMP-2X FOR PEDESTRIAN DETOUR ROUTE)

THE CONTRACTOR MAY CONDUCT WORK IN PHASE 1, STEP 2 CONCURRENTLY WITH PHASE 1, STEPS 3, 4, AND 5 - 7. PHASE 1, STEP 2 MAY NOT BE COMPLETED CONCURRENTLY WITH PHASE 1, STEP 3A OR STEP 4A, AND AS NOTED IN LOCAL NOTE LN-02 (SEE SHEET TMP-2A).

THE CONTRACTOR SHALL COMPLETE THE WORK REQUIRED IN PHASE 1, STEP 2 DURING A WEEKEND OPERATION. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES)

STEP 2:

CONDUCT WORK ON -LALT- (NC 55 / ALSTON AVE) IN THE FOLLOWING SEQUENCE: (SEE SHEET TMP-5)

1. USING RSD 1101.03, SHEET 1 OF 9, DETOUR AND CLOSE EXISTING NC 55 (SEE SHEET TMP-2D FOR DETOUR ROUTE).
2. COMPLETE REMOVAL OF THE EXISTING CSX RAIL BRIDGE AND ABANDONED RAIL BRIDGE PIER FOUNDATIONS ADJACENT TO THE EXISTING NB NC 55 TRAVEL LANES. (SEE CUT SECTION B1-B1 ON SHEET TMP-4A)
3. BACKFILL AND REPAIR EXISTING NC 55, INCLUDING INSTALLATION OF TEMPORARY PAVEMENT FOR TEMPORARY WALKWAY.
4. PLACE PORTABLE CONCRETE BARRIER (PCB), TEMPORARY 6' FENCING ADJACENT TO THE TEMPORARY WALKWAY, AND TEMPORARY PAVEMENT MARKINGS ALONG NC 55 FROM -LALT- STA. 22+50 +/- TO STA. 27+50 +/- (AS SHOWN ON SHEET TMP-5). (NOTE - IF PHASE 1, STEP 2 IS NOT COMPLETED IN CONJUNCTION WITH PHASE 1, STEP 3, TIE TEMPORARY MARKINGS AT -LALT- STA. 22+50 +/- TO THE EXISTING MARKINGS.)
5. REMOVE THE DETOUR AND REOPEN NC 55.

STEP 3:

WORKING IN A CONTINUOUS MANNER, AWAY FROM TRAFFIC AND USING FLAGGERS, LANE CLOSURES, AND SHOULDER CLOSURES (RSD 1101.02, SHEETS 1, 2, AND 7 OF 15, AND RSD 1101.04) AND LAW ENFORCEMENT AS NECESSARY, COMPLETE INSTALLATION OF TEMPORARY SIGNALS 05-0284T1 AND 05-1028T1, PLACE TEMPORARY PAVEMENT MARKINGS ON NC 55 (-LALT- STA. 13+20 +/- TO STA. 22+50 +/-), -R1-, -R3-, AND -R4-, AND SHIFT TRAFFIC TO THE TEMPORARY PATTERN. (SEE SHEET TMP-5)

AWAY FROM TRAFFIC, USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEET 1 OF 15) AND BY STOPPING TRAFFIC AS PERMITTED (RSD 1101.03, SHEET 8 OF 9), BEGIN TRACK CONSTRUCTION OF THE CSX RAIL AND RAIL DETOUR LINES. BEGIN CONSTRUCTION OF THE CSX RAIL BRIDGE OVER -LALT-, INCLUDING THE TEMPORARY SPAN OVER NC 55 AS SHOWN IN THE RAIL BRIDGE STRUCTURE PLANS. (SEE SHEET TMP-5 AND LOCAL NOTE LN-02, SHEET TMP-2A)

AWAY FROM TRAFFIC AND USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15) AS NECESSARY, BEGIN CONSTRUCTION OF THE FOLLOWING: (SEE SHEETS TMP-5 AND TMP-6)

- -LALT- FROM STA. 24+38 +/- TO STA. 31+00 +/- (LT)
- -LALT- FROM STA. 32+00 +/- TO STA. 36+00 +/- (LT)

WORKING IN A CONTINUOUS MANNER, AWAY FROM TRAFFIC AND USING FLAGGERS, LANE CLOSURES (RSD 1101.02, SHEETS 1, 2, AND 7 OF 15, AND RSD 1101.04) AND LAW ENFORCEMENT AS NECESSARY, COMPLETE INSTALLATION OF AND ACTIVATE TEMPORARY SIGNAL 05-1026T1, THEN USING RSD 1101.03, SHEET 1 OF 9, CLOSE AND DETOUR -Y1- (ANGIER AVENUE). (SEE SHEET TMP-2K FOR DETOUR ROUTE) UPON CLOSURE OF -Y1-, AWAY FROM TRAFFIC AND USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15) AS NECESSARY, BEGIN CONSTRUCTION OF THE FOLLOWING: (SEE SHEET TMP-6)

- -Y1- FROM STA. 11+00 +/- TO STA. 12+41 +/-
- -LALT- FROM STA. 31+00 +/- TO STA. 32+00 +/- (LT), INCLUDING TEMPORARY PAVEMENT (STA. 31+00 +/- TO STA. 32+00 +/-) TO PROVIDE A CONNECTION FROM EXISTING NC 55 PAVEMENT TO THE NEW -LALT- PAVEMENT AND -Y1- INTERSECTION. (SEE SHEET TMP-6)

AWAY FROM TRAFFIC AND USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15) AS NECESSARY, COMPLETE INSTALLATION OF AND ACTIVATE TEMPORARY SIGNAL 05-1027T1, THEN BEGIN CONSTRUCTION OF TEMPORARY PAVEMENT IN THE FOLLOWING LOCATIONS: (SEE SHEETS TMP-6 - TMP-8)

- -LALT- FROM STA. 36+71 +/- TO STA. 40+62 +/- (RT)
- -LALT- FROM STA. 47+36 +/- TO STA. 66+10 +/- (LT)

AWAY FROM TRAFFIC AND USING FLAGGERS, LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15), AND TEMPORARY CLOSURES OF -Y7- (MORNING GLORY AVENUE), -Y9- (WORTH STREET), AND -Y11- (FRANKLIN STREET) AS NECESSARY, BEGIN INSTALLATION OF PROPOSED DRAINAGE SYSTEM (PIPES AND STRUCTURES) FROM DRAINAGE STRUCTURE NO. 801 TO DRAINAGE STRUCTURE NO. 1018 (SEE ROADWAY PLAN SHEETS 8 - 10). WHEN NEEDED, CONSTRUCT A TEMPORARY DRAINAGE STRUCTURE AND TIE THE PROPOSED SYSTEM AND 54" RCP TO THE EXISTING SYSTEM WITHIN FRANKLIN STREET (SEE SHEET TMP-7). MAINTAIN THIS TEMPORARY DRAINAGE PATTERN UNTIL COMPLETION OF THE PERMANENT DRAINAGE SYSTEM FROM DRAINAGE STRUCTURE NO. 901 TO DRAINAGE STRUCTURE NO. 1018 AND THE DRAINAGE SYSTEM WITHIN -Y15- (TAYLOR STREET). COVER TEMPORARY AND PROPOSED DRAINAGE STRUCTURES WITH TEMPORARY STEEL PLATES AS NECESSARY. USE DETOUR SHEETS TMP-2P AND TMP-2Q FOR ROAD CLOSURES. REOPEN ROADS UPON COMPLETION OF WORK AT EACH LOCATION.

USING RSD 1101.03, SHEET 1 OF 9, CLOSE AND DETOUR -Y16- (HOPKINS STREET), THEN AWAY FROM TRAFFIC AND USING FLAGGERS AND LANE CLOSURES (RSD 1101.01, SHEETS 1 AND 2 OF 15) AS NECESSARY, BEGIN CONSTRUCTION OF -Y16- FROM STA. 10+60 +/- TO STA. 11+85 +/- (PERMANENT PAVEMENT) AND -Y16- FROM STA. 10+35 +/- TO STA. 10+60 +/- (TEMPORARY PAVEMENT). (SEE SHEET TMP-8 AND LOCAL NOTE LN-06. SEE SHEET TMP-2S FOR DETOUR ROUTE.)

THE CONTRACTOR MAY CONDUCT WORK IN PHASE 1, STEP 3A CONCURRENTLY WITH PHASE 1, STEPS 3 - 4 AND/OR 5 - 8. PHASE 1, STEP 3A MAY NOT BE COMPLETED CONCURRENTLY WITH PHASE 1, STEP 2 OR STEP 4A.

STEP 3A:

USING A ONE (1) NIGHT ROAD CLOSURE, DETOUR EXISTING NC 55 AND COMPLETE 42" RCP DRAINAGE SYSTEM CROSS PIPE INSTALLATION, INCLUDING INSTALLATION OF DRAINAGE STRUCTURE NO. 0803 AND NO. 0835 AT -LALT- STA. 38+75 +/- . COVER DRAINAGE STRUCTURES WITH TEMPORARY STEEL PLATES AND REPAIR THE EXISTING ROADWAY. UPON COMPLETION, REOPEN NC 55 TO THE EXISTING PATTERN. (SEE SHEET TMP-2E FOR DETOUR ROUTE.)

USING A ONE (1) NIGHT ROAD CLOSURE, DETOUR EXISTING NC 55 AND COMPLETE 30" RCP DRAINAGE SYSTEM CROSS PIPE INSTALLATION, INCLUDING INSTALLATION OF DRAINAGE STRUCTURE NO. 1003 AT -LALT- STA. 48+58 +/- . COVER DRAINAGE STRUCTURES WITH TEMPORARY STEEL PLATES AND REPAIR THE EXISTING ROADWAY. UPON COMPLETION, REOPEN NC 55 TO THE EXISTING PATTERN. (SEE SHEET TMP-2E FOR DETOUR ROUTE.)

STEP 4:

USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEETS 2 AND 3 OF 15) AND LAW ENFORCEMENT AS NECESSARY, PLACE ANCHORED PCB FROM -LALT- STA. 14+90 +/- TO STA. 18+70 +/-, THEN AWAY FROM TRAFFIC BEGIN CONSTRUCTION OF THE FOLLOWING: (SEE SHEET TMP-5)

- -LALT- STA. 15+00 +/- TO STA. 18+55 +/-, INCLUDING THE FOLLOWING:
 - > INSTALLATION OF SHORING NO. 1 AND NO. 2
 - > REMOVAL OF THE WEST SIDE OF THE EXISTING NC 55 BRIDGE OVER -YA- (NC 147) (SEE LOCAL NOTE LN-01)
 - > STAGE 1 OF THE NEW -LALT- BRIDGE OVER -YA- (SEE LOCAL NOTE LN-01)
 - > TEMPORARY PAVEMENT (-LALT- STA. 14+58 +/- TO STA. 15+35 +/-, AND -LALT- STA. 17+63 +/- TO STA. 18+41 +/-) (SEE LOCAL NOTE LN-01)
- -R3- STA. 10+07 +/- TO STA. 10+90 +/-

USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEET 2 OF 15), IN CONJUNCTION WITH TEMPORARY WIDENING WORK IN EACH AREA, BEGIN ASPHALT WEDGING IN THE FOLLOWING LOCATIONS TO CREATE A SMOOTH TRANSITION ALONG AND ACROSS TRAVEL LANES FROM THE EXISTING PAVEMENT TO THE TEMPORARY PAVEMENT WIDENING: (SEE SHEETS TMP-6 - TMP-8)

- -LALT- FROM STA. 39+50 +/- TO STA. 40+62 +/- (RT)
- -LALT- FROM STA. 47+75 +/- TO STA. 50+00 +/- (LT)
- -LALT- FROM STA. 61+75 +/- TO STA. 66+10 +/- (LT)

THE CONTRACTOR MAY CONDUCT WORK IN PHASE 1, STEP 4A CONCURRENTLY WITH PHASE 1, STEPS 3 - 4 AND/OR 5 - 10. PHASE 1, STEP 4A MAY NOT BE COMPLETED CONCURRENTLY WITH PHASE 1, STEP 2 OR STEP 4A, AND AS NOTED IN LOCAL NOTE LN-01 (SEE SHEET TMP-2A).

THE CONTRACTOR SHALL COMPLETE THE WORK REQUIRED IN PHASE 1, STEP 4A IN THIRTY (30) CONSECUTIVE DAYS. (SEE INTERMEDIATE CONTRACT TIME AND LIQUIDATED DAMAGES)

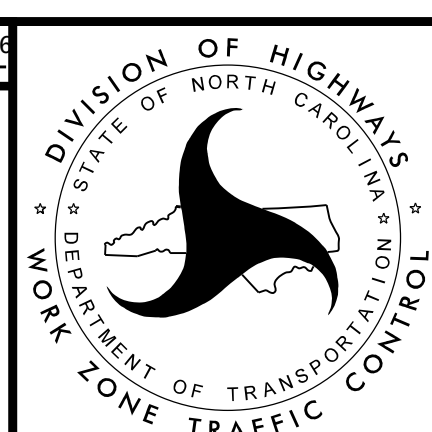
STEP 4A:

WORKING IN A CONTINUOUS MANNER, AWAY FROM TRAFFIC AND USING FLAGGERS, LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15) AND LAW ENFORCEMENT AS NECESSARY, INSTALL AND ACTIVATE TEMPORARY SIGNAL 05-1028T1A, THEN CLOSE AND DETOUR -R1-. (SEE SHEET TMP-2G FOR DETOUR ROUTE)

UPON CLOSURE OF -R1-, AWAY FROM TRAFFIC AND USING FLAGGERS AND LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15) AS NECESSARY, COMPLETE RECONSTRUCTION OF -R1-, INCLUDING COMPLETION OF -LALT- FROM STA. 13+50 +/- TO STA. 15+00 +/- (LT). IN CONJUNCTION WITH -LALT- AND -R1- WORK, PLACE ASPHALT WEDGING IN THE -LALT-/-R1- INTERSECTION TO PROVIDE A SMOOTH TRANSITION ALONG AND ACROSS TRAVEL LANES FROM THE EXISTING PAVEMENT TO THE NEW PAVEMENT AND TEMPORARY PAVEMENT WIDENING. (SEE SHEET TMP-5A)

UPON COMPLETION OF -R1- AND ASSOCIATED -LALT- WORK, WORKING IN A CONTINUOUS MANNER AWAY FROM TRAFFIC AND USING FLAGGERS, LANE CLOSURES (RSD 1101.02, SHEETS 1 AND 2 OF 15), AND LAW ENFORCEMENT AS NECESSARY, INSTALL AND ACTIVATE TEMPORARY SIGNAL 05-10284T1B, PLACE TEMPORARY MARKINGS IN THE FINAL PATTERN ON -R1- (AS SHOWN ON SHEET TMP-9), THEN REMOVE THE DETOUR AND REOPEN -R1- TO THE TEMPORARY PATTERN.

APPROVED:  DATE: 5/13/2016



PHASING

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED